Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/22/2017 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124603	-1	1.93	124451	1.86
Blue	F	SSC	125000	124821	-1	3.69	125113	3.52
Blue	E	FITC	23795	23224	-3	2.93	1036	10.74
Blue	D	PE	29673	29287	-2	2.58	1052	10.39
Blue	B	PerCP-Cy5-5	48943	48125	-2	3.92	1388	17.60
Blue	A	PE-Cy7	44112	44245	0	5.64	683	36.63
Red	C	APC	54273	54075	-1	2.85	3114	9.52
Red	A	APC-Cy7	54945	53951	-2	2.83	1135	11.22
Violet	B	V450	15756	15083	-5	3.92	715	9.44
Violet	A	V500	62569	61536	-2	3.76	2723	6.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18792	4.10	614	0	N/A	N/A	Pass
Blue	F	SSC	61687	2.09	549	3	N/A	N/A	Pass
Blue	E	FITC	113	41.86	550	0	0.0194	239	Pass
Blue	D	PE	229	30.35	549	3	0.1440	235	Pass
Blue	B	PerCP-Cy5-5	215	47.89	639	0	0.0094	139	Pass
Blue	A	PE-Cy7	73	126.69	696	-3	0.0113	21	Pass
Red	C	APC	364	28.70	601	1	0.0204	135	Pass
Red	A	APC-Cy7	124	41.96	577	-7	0.0056	2020	Pass
Violet	B	V450	89	44.16	468	-4	0.0413	1978	Pass
Violet	A	V500	199	25.42	497	-2	0.0134	912	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-30.85	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	16.54	13.27 - 19.91	N/A	N/A	30.76	31.29	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9713

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments